

IN THE SPECIFICATION:

Please substitute the following abstract for the abstract in the application:

A method, [[a]] system, and [[a]] computer program product for organizing a set of nodes into a minimum number of connected clusters of bounded size in a wireless transmission system, wherein the method comprises is disclosed. The method comprising steps of; using of bits in packets used in the initial stages of the device discovery procedure, to include information relating to a state of device discovery to achieve the said the separation of the nodes into those in said the transmit-state and said the receive-state; defining a Master-designate among said the nodes through a statistical procedure and defining remaining nodes as a Slave-designate; defining a cluster including said the Master-designate and at least one said the Slave-designate, wherein said the Slave-designate continuously scans for said the inquiry message transmitted from said the Master-designate and said the Slave-designate transmits said the inquiry response to said the Master-designate.

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